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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Anders Liden

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EXAMINER

OBAYANJU, OMONIYI

ART UNIT

PAPER NUMBER

4163

MAIL DATE

DELIVERY MODE

07/24/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/597,130	Applicant(s) LIDEN, ANDERS	
	Examiner OMONIYI A. OBAYANJU	Art Unit 4163	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 July 0206.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 12 July 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>08/08/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: There are no descriptions for Figure 3 in the specification. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Tsirtsis (US Publication No 20040148428).

4. As to claim 1, Tsirtsis teaches a method for allowing a Mobile IPv4 Mobile Node (pg. 1, pp. 0004, line 1-2) to communicate from an IPv6 visited network (pg. 1, pp. 0004, line 6-7), and across IPv6 networks, back to a Mobile IPv4 Home Agent, in a Mobile IPv4 Network, comprising (pg. 2, pp. 0021, line 1-7): a Mobile Node supporting Mobile IPv4 registration procedures including IPv6 addressing details to support MN - HA communication (pg. 1, pp. 0006, line 1-10); a Home Agent supporting connectivity to both IPv4 and IPv6 networks to facilitate remote access (pg. 1, pp. 0006, line 1-10); tunneling of IPv4 traffic over

Art Unit: 4163

IPv6 networks from the Mobile Node (pg. 2, pp. 0022); tunneling of Mobile IPv4 traffic over IPv6 networks from the Home Agent (pg. 2, pp. 0022).

5. As to claim 2, Tsirtsis teaches wherein the Mobile Node acquires an IPv6 address in the visited network (fig. 1, #129)

6. As to claims 3 and 4, Tsirtsis teaches wherein the Mobile Node sends a MIPv4 Registration Request over IPv6 (pg. 4, pp 0040, lines 6-7) using the acquired IPv6 address as source address, and the Home Agent IPv6 address as destination address (pg. 4, pp 0040, lines 1-5).

7. As to claims 5 and 8, Tsirtsis teaches wherein the Home Agent accepts and extracts the IPv6 care-of address from the Registration Request extension (MIPv4 message encapsulated in ipv6 packet) and uses it as the tunnel endpoint for the IPv4 in IPv6 tunnel back to the Mobile Node (pg. 4, pp 0040, lines 1-7)

8. As to claims 6, 7, 9, and 10, Tsirtsis teaches wherein the Mobile Node tunnels IPv4 packets (pg. 4, pp 0040, lines 1-10) in IPv6 headers, destined for the Home Agent and wherein the Mobile Node de-capsulates IPv6 tunneled IPv4 packets (pg. 4, pp 0040, lines 1-10) from the Home Agent (pg. 4, pp 0041)

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 4163

10. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tsirtsis (US Publication No 20040148428) in view of RFC 3519- Mobile IP of Network Address Translation (standard).

11. As to claim 11, Tsirtsis teaches the limitations of claim 1 as discussed above, but does not teach wherein the Home Agent employs UDP tunneling from the HA to the MN in accordance with RFC 3519. However, this standard of mobile IP's datagram tunneling is well known in the art. It would have been obvious to one of ordinary skill in the art at the time of invention to substitute this type of tunneling method for that of Tsirtsis's since such substitution would provide predictable results of enabling communication between the home agent and mobile node.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OMONIYI A. OBAYANJU whose telephone number is (571)270-5885. The examiner can normally be reached on Mon - Fri, 7:30 - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Robinson can be reached on 571-272-2319. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 4163

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/O. A. O./
Examiner, Art Unit 4163

/Mark A. Robinson/
Supervisory Patent Examiner, Art Unit 4163